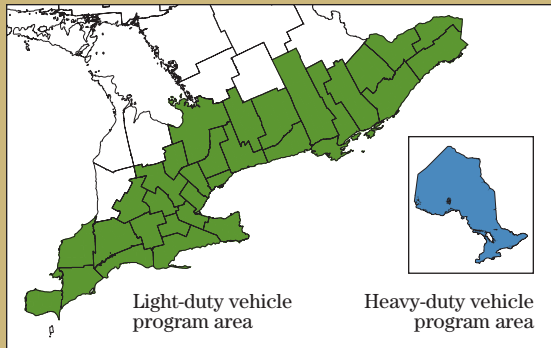


Drive Clean makes a difference

Ontario's Drive Clean program is reducing smog-causing pollutants from both light-duty and heavy-duty vehicles. The program is concerned with helping us make smart choices about the way we maintain and drive our vehicles. Driving clean can save you up to 10 per cent in annual fuel consumption and prolong the life of your vehicle.

But more importantly, you will be doing the right thing for the air we breathe.

Program Areas



For more information on Ontario's Drive Clean, call:

1-888-758-2999

or visit

www.driveclean.com

Revised September 2008



Ontario's Drive Clean

A Mandatory Vehicle
Emissions-testing Program

Protecting our environment.



Protecting our environment.



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Smog is a serious health-related problem in Ontario and motor vehicles are the single largest domestic source of smog and a source of several other toxic contaminants.

Smog is bad news for many people, particularly children, the elderly and those with respiratory and cardiovascular illnesses. The Ontario Medical Association estimates that smog is responsible for more than 5,900 premature deaths, about 17,000 hospital admissions and more than 60,000 emergency department visits each year.

Through Drive Clean, vehicle owners have an opportunity to make a positive contribution to the quality of our air through good vehicle maintenance and by identifying emissions problems so that they can be corrected.

The advanced emissions control technology in today's vehicles and the development of hybrids and alternate fuel vehicles, along with cleaner fuels, are sharply reducing harmful emissions. However, there will be vehicles on the road without that advanced technology for many years and even the more advanced vehicles require regular maintenance to keep them operating cleanly.

A well-maintained vehicle that is using less fuel saves us money at the gas pumps as well as emitting fewer pollutants. Early identification of emissions problems can also help avoid major repair bills and give us vehicles that are more reliable, run more smoothly and will likely last longer on the road. See the brochure "10 Tips for Driving Clean" for more information on how to save money help reduce pollution and protect the quality of our air.



Light-duty vehicles

The Light Duty Drive Clean program requires most passenger cars, vans, light trucks (under 4500 kilograms) and sport utility vehicles registered in the Drive Clean program area to be tested in order to renew the stickers on their licence plates. Light-duty vehicles that are 1988 model year and newer require testing every two years beginning in the fifth calendar year after their model year.

If your vehicle requires an emissions test, you will receive a reminder as part of your vehicle licence renewal application from the Ministry of Transportation.

Note: *If your plate expires and you delay renewal until the next calendar year, an emissions test will still be required.*

An emissions test is required for a resale vehicle being licensed for the road for vehicles with a model year older than the current calendar year. This is an important consumer protection measure to help ensure that consumers do not unwittingly purchase

a used vehicle with emissions problems. More information is available on testing for resale vehicles in the Drive Clean information card, *“Buying or Selling a Used Vehicle.”*

Motorhomes registered to addresses in the light-duty vehicle program area also require emissions tests. They are classed with light-duty vehicles and therefore require testing every two years. However, the size and weight of these vehicles means that they require testing at Drive Clean Facilities accredited to perform heavy-duty vehicle tests.



Light-duty vehicle exemptions:

- All hybrid vehicles (those powered by a combination of internal combustion engines and electric motors)
- Vehicles of the 1987 model year and older
- All vehicles currently designated as “historic” under the Highway Traffic Act
- Light-duty commercial farm vehicles
- Kit cars
- Motorcycle

Light-duty vehicle¹ model years requiring tests:

Model Year of Vehicle			Model Year of Vehicle		
↓ REQUIRE TESTING IN	1989	↓ REQUIRE TESTING IN	↓ REQUIRE TESTING IN	1988	↓ REQUIRE TESTING IN
	1991			1990	
	1993			1992	
	1995			1994	
	1997			1996	
	1999			1998	
	2001			2000	
	2003			2002	
	2005			2004	
				2006	

¹ A light-duty vehicle is one that weighs 4,500 kilograms or less, while a heavy-duty vehicle weighs more than 4,500 kilograms.

How is the Drive Clean test done?

The Ontario Drive Clean emissions test can only be performed at an accredited Drive Clean facility by a certified emissions inspector.

Most light-duty vehicles are tested on a dynamometer, a treadmill-like device. The vehicle is warmed up to normal operating temperature. A gas analyzer, connected to the vehicle through a probe in the tailpipe, then measures the concentrations of oxides of nitrogen (NOx), hydrocarbons (HC) and carbon monoxide (CO) while the vehicle is being “driven” on the dynamometer and again when the vehicle is idling at the end of the test.



The test results are compared by a computer to emissions standards for the vehicle and its model year, with an allowance for vehicle age and wear and tear.

Some vehicles cannot be tested on a dynamometer. In these cases the vehicle will be given a two-speed idle test, again with a probe inserted in the tailpipe – to measure HC and CO only.

If your vehicle has a test-related safety problem, a missing catalytic converter, or releases visible smoke from the tailpipe, it can not be tested until it has been repaired. Such problems could harm Drive Clean Facility staff and result in damage to the vehicle or malfunctioning of the test equipment.

If the Malfunction Indicator Light (MIL), also known as the “Check Engine” light, on the dashboard remains illuminated in 1998 and newer model year vehicles, the owners will be advised that it may indicate a malfunction of the vehicle emissions system.

An Emissions Warning

If the “Check Engine” light on your dashboard comes on and stays on, your vehicle’s on board computer system has detected an emissions related problem. Make sure the gas cap is not loose or missing as this will trigger the “Check Engine” light to illuminate. If the light remains on have your vehicle serviced soon in order to prevent excessive emissions and avoid damaging the engine or emissions system. If the “Check Engine” light is flashing, the problem is critical and you should have your vehicle looked at immediately by a qualified repair technician.



Some common examples of engine warning lights

What happens after my Drive Clean test?

You will receive a computer-generated report that will tell you the concentrations of pollutants coming from the tailpipe. If your vehicle does not meet emissions standards, you will also receive a fact sheet describing the most common reasons for vehicles failing the test and information on what to do next.

Vehicles with emissions faults should be fully repaired and pass a retest to ensure that harmful pollutants are not being emitted into the air. Drive Clean recognizes, however, that this is not always

possible and has established a conditional pass for light-duty vehicles.

To obtain a conditional pass, a vehicle must comply with the requirements of the Repair Cost Limit (RCL), which puts a cap on the amount that must be spent on emissions-related repairs before a vehicle can be retested. A conditional pass cannot be used to transfer ownership of a vehicle.

For complete details on Conditional Passes and the Repair Cost Limit, consult the brochure *“What is the Repair Cost Limit?”*

The Drive Clean pass report for your vehicle may be used for registration renewals and ownership transfers for up to 12 months from the date of the test. The pass must be valid on the expiry date of the licence plates, or on the date of the licence transaction in the case of a late renewal or ownership transfer.

While test results are automatically recorded in the province’s vehicle registration database, vehicle owners are advised to have a copy of their pass report available when renewing vehicle registrations or transferring ownership.



Vehicle emissions history

Use the “Vehicle Emissions History” search on the Drive Clean website to find out the results of your vehicles’ previous emissions test(s). Simply enter the Vehicle Identification Number (VIN) and click the “When was my Vehicle Tested” button.

What if I disagree with the test results or repairs?

If you disagree with the results of the test or the repairs performed at a Drive Clean facility, you can contact the Drive Clean Call Centre at 1-888-758-2999 for assistance. If a dispute cannot be settled, you and the other party may be referred to an independent dispute resolution process. This dispute resolution process is only available if you deal with accredited Drive Clean facilities.



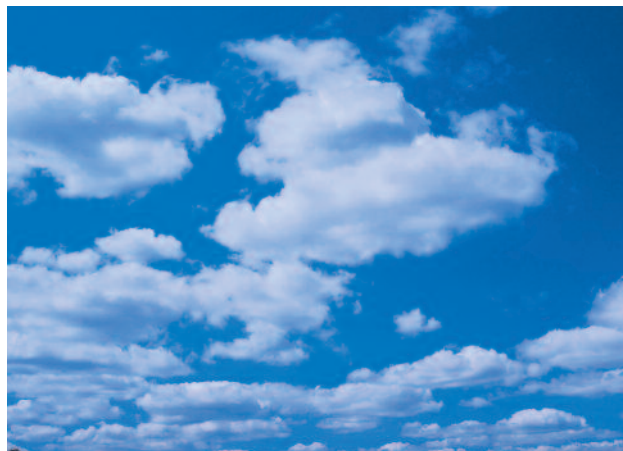
Drive Clean's Heavy-Duty Vehicle Program

Heavy-duty diesel trucks and buses must pass an emissions test that measures the opacity of the exhaust: the amount of light that is blocked by the particulate matter in the exhaust. This applies to heavy-duty vehicles registered anywhere in Ontario.

This particulate matter is a source of concern because the microscopic particles resulting from incomplete fuel combustion are easily absorbed into our lungs. The emissions standards in Ontario are among the most stringent in North America and include special requirements for heavy-duty diesel school buses to help protect the health of children.

Non-diesel heavy-duty vehicles that are registered in the light-duty vehicle program area are subject to a two-speed idle test to measure carbon monoxide and hydrocarbons. These vehicles require annual tests and cannot qualify for a pass exemption.

More information on Drive Clean's heavy-duty vehicle program, including a voluntary incentive program to encourage even better emissions performance from diesel vehicles, is available in the brochure, *"Drive Clean's Heavy-Duty Vehicle Program"*.



The Environmental Protection Act

All vehicles on Ontario's highways – whether registered in Ontario or from out-of-province – are subject to the provincial Environmental Protection Act (EPA). The act prohibits excessive visible exhaust emissions and the alteration or removal of emissions control equipment. This applies to vehicles even if they have passed a Drive Clean test.

In addition, the EPA makes it an offence to be involved in the production of a false Drive Clean pass or to try to use one for a vehicle registration transaction.